

Application Number: 09/803,257

Amendment dated April 26, 2004 Lost - New Amendment Replacing Lost Amendment dated July 22, 2004 – Repeat 2/10/05
Reply to Office action of March 9, 2004

Amendment to the Claims:

Claims 1-55 are canceled. Please insert new Claims 56 - 110.

Listing of Claims:

Claim 1 (cancel):
Claim 2 (cancel):
Claim 3 (cancel):
Claim 4 (cancel):
Claim 5 (cancel):
Claim 6 (cancel):
Claim 7 (cancel):
Claim 8 (cancel):
Claim 9 (cancel):
Claim 10 (cancel):
Claim 11 (cancel):
Claim 12 (cancel):
Claim 13 (cancel):
Claim 14 (cancel):
Claim 15 (cancel):
Claim 16 (cancel):
Claim 17 (cancel):
Claim 18 (cancel):
Claim 19 (cancel):
Claim 20 (cancel):
Claim 21 (cancel):
Claim 22 (cancel):
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Claim 24 (cancel):
Claim 25 (cancel):
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Claim 44 (cancel):

Claim 45 (cancel):

Claim 46 (cancel):

Claim 47 (cancel):

Claim 48 (cancel):

Claim 49 (cancel):

Claim 50 (cancel):

Claim 51 (cancel):

Claim 52 (cancel):

Claim 53 (cancel):

Claim 54 (cancel):

Claim 55 (cancel):

Listing of Claims:

Claim 56 (New): A method for controlling one or more remote devices over a communication network by accessing a central computer, selecting a specific device at a remote location, and entering instruction that will operate a device at said remote location, comprising:

- a method for accessing a central computer using a plurality of remote data entry points;

- a method for accessing a central computer using a plurality of remote data entry modes;

- a method for storing and processing instructions inputted from a plurality of data entry points;

- a method for determining if incoming instructions are authorizes to be accepted and forwarded to a specific remote location;

- a method for determining whether a communication system located at a remote location is able to accept instructions from a central computer;

- a method for detecting, storing, and relaying instructions received from the central computer over the communication network to a specific device at the remote location..

Claim 57 (New): The method of claim 56, further comprising:

- receiving one or more tones or pulses over said communication network; and

translating said tones or pulses into said instructions that can control a specific device located at a remote location.

Claims 58 (New): The method according to claim 57, further comprising:

analyzing order in which tones or pulses are received; and
translating said tones or pulses into instructions.

Claim 59 (New): A method for controlling one or more remote devices over a communication network, comprising:

a means for monitoring a communication network linked of a central computer to detect incoming instructions from a remote data entry point;

a means for determining whether communication between a central computer and a remote site is established to transmit instructions to a device located at said remote site;

a means for storing, processing, and transmitting instructions received from a remote data entry point by the central computer;

a means for the central computer to transmit the process instructions to a device located at a specific remote location;

a means for determining whether the incoming instructions are authorized to be used at said specific remote location;

a means for transmitting any incoming instructions to said device; and
controlling said device based on said instructions.

Claim 60 (New): The method of claim 59, further comprising:

Receiving one or more tones or pulses over said communication network; and
translating said tones or pulses into instructions.

Claim 61 (New): The method according to claim 60, further comprising:

analyzing position of said tones or pulses; and translating said tones or pulses and
position information into instructions.

Claim 62 (New): The method according to claim 60 wherein the tones or pulses are
transmitted by a central server of a telecommunication network.

Claim 63 (New): The method according to claim 60 wherein the tones or pulses are
transmitted by an Internet central server.

Claim 64 (New): The method of claim 60, further comprising: converting said tones or
pulses into infrared light containing said incoming instructions.

Claim 65 (New): The method of claim 60, further comprising: converting said tones or
pulses into audio signals containing said incoming instructions.

Claim 66 (New): The method of claim 60, further comprising: converting said tones or
pulses into electrical signals containing said incoming instructions.

Claim 67 (New) A system for controlling a specifically targeted device using

instructional information entered from a remote terminal to a central computer that relay the instruction to the desired device via a communication network, comprising:

a means for central computer to monitor for incoming communication from a plurality of remote terminals that link to it via a communication network;

a means for determining whether said incoming communications contains valid instructional information;

a means for storing, processing, and forwarding said instructional information from the central computer to a targeted remote location;

a mean for the remote location to determine whether any incoming instructional information should be accepted as valid and proper; and

a means for transmitting any incoming instructions to a targeted device and controlling it.

Claim 68 (New): The system of claim 12, further comprising:

a means for both the central computer and the remote location to instructional information in the form of one or more tones or pulses over said communication network; and

a means for translating said tones or pulses into instructions to control a targeted device.

Claim 69 (New): The system according to claim 67, further comprising:

a means for analyzing position of said tones or pulses; and

a means for translating said tones or pulses and position information into instructions.

Claim 70 (New): A system for controlling one or more targeted remote devices over a communication system, comprising:

a means for collecting information from a plurality of remote instruction input points linked to a centralized server using a communication system;

a means for monitoring a communication system for activity between a server at a central location and a remote instruction input terminal;

a means for determining whether a targeted remote location can detect incoming instructions over the communication system;

a means for determining whether access the remote device is established;

a means for transmitting incoming instructions to a targeted device when reception of incoming instructions is enabled;

a means for transmitting said incoming instructions to said device; and

a means for controlling said device based on said instructions.

Claim 71 (New): The system of claim 70, further comprising:

a means for receiving one or more tones or pulses over said communication system; and

a means for translating any received tones or pulses into instructions to control a targeted device located at the remote location.

Claim 72 (New): The system according to claim 71, further comprising:

a means for analyzing position of said tones or pulses; and means for translating said tones or pulses and position information into instructions.

Claim 73 (New): The system according to claim 71, wherein the tones or pulses are transmitted by a central server linked to a telecommunication system.

Claim 74 (New): The system according to claim 71, wherein said tones or pulses are transmitted by an Internet central server.

Claim 75 (New): The system of claim 71, further comprising:

a means for converting said tones or pulses into infrared light containing said incoming instructions.

Claim 76 (New): The system of claim 71, further comprising:

a means for converting said tones or pulses into audio signals containing said incoming instructions.

Claim 77 (New): The system of claim 71, further comprising:

a means for converting said tones or pulses into electrical pulses containing said incoming instructions.

Claim 78 (New): A system for controlling a remote device over a communication system, comprising:

a processor configured for monitoring a communication system for activity, for determining whether activity on the communication system enables reception of any incoming instructions a memory for storing incoming instructions when activity on the communication system enables reception of incoming instructions; and

a transmitter configured for transmitting said incoming instructions to said device.

Claim 79 (New): The system of claim 78, further comprising:

a decoder configured for translating tones or pulses into said instructions.

Claim 80 (New): The system according to claim 78, wherein a processor is further configured for analyzing the position of said tones or pulses; and

the processor is further configured for translating the relative position of said tones or pulses into instructions.

Claim 81 (New): A system for controlling one or more remote devices over a communication system, comprising:

a processor located at a remote location configured to monitor a communication network for incoming instructions from a central computer;

a plurality of remote information input terminals configured to transmit information to a central computer;

a central computer configured to receive information from a plurality of remote input terminals;

a central computer with memory configured for processing and storing information from a remote information input terminal;

a central computer configured to determine whether a valid password, target location, and instructions are contained in the information from a remote input terminal;

a central computer able to send said instructions to a targeted location using a communication network;

a processor located at a remote location able to receive instructions and transmit them to a targeted device; and

controlling said device with said instructions.

Claim 82 (New): The system of claim 81, further comprising:

a processor at a remote location configured for translating tones or electrical pulses into instructions.

Claim 83 (New): The system according to claim 81, wherein information is encoded in tones or electrical pulses transmitted to a central server over a telecommunication network.

Claim 84 (New): The system according to claim 82, wherein the tones or pulses are transmitted by an Internet central server.

Claim 85 (New): The system of claim 82, wherein the transmitter is further configured for converting said tones or pulses into infrared light containing said incoming instructions.

Claim 86 (New): The system of claim 81, wherein the transmitter is further configured for converting said tones or pulses into audio signals containing said incoming instructions.

Claim 87 (New): The system of claim 82, wherein the processor at the remote location is further configured for converting said instructions into electrical pulses that are communicated to a microprocessor located in a targeted device.

Claim 88 (New): Computer executable software code stored on a computer readable medium, the code for controlling one or more remote device by relaying instructions from an input terminal to said remotely located via a central computer using a communication system, comprising:

code for monitoring a communication system for activity incoming from a remote location;

code for determining whether activity on the communication system enables reception any incoming instructions from said remote location;

code for storing any incoming instructions when activity on the communication system enables reception of incoming instructions at the central computer; and

code for transmitting any received instructions to a remotely located targeted device;

and controlling said device with said instructions.

Claim 89 (New): Computer executable software code stored on a computer readable medium, the code for controlling at least one remote device over a communication system, comprising:

code for monitoring a communication network for activity incoming from a plurality of remote input terminals;

code for storing and processing any incoming instructions from a remote input device to a central computer when valid a password is associated with said instructions;

code for detecting whether the processor located at a remote location is able to receive instructions from a central computer over a communication network;

code for determining whether information transited over a communication network is authorized to be accepted by a central computer;

code for determining whether a communication between a central computer and a remote location is contains valid instructions for a device located at said remote location;

code for transmitting any incoming instructions to said device; and

code for controlling said device based on said instructions.

Claim 90 (New): A computer readable medium having computer executable software code stored thereon, the code for controlling at least one remote device using a communication system, comprising:

code for monitoring a communication system for incoming instructions from a remote input terminal;

code for determining whether incoming instructions are accompanied by a valid authorizing password for controlling a targeted device at a remote location;

code for enabling reception of any incoming instructions from a central computer;

code for storing said incoming instructions when authorization received over the communication system enables reception of incoming instructions;

and code for transmitting said incoming instructions to said remote device.

Claim 91 (New): A computer readable medium having computer executable software code stored thereon, the code for controlling at least one remote device over a communication system, comprising:

code for monitoring a communication system for activity; code for detecting whether the communication system is off hook;

code for determining whether an incoming call is made when the system is off hook;

code for detecting whether activity on the communication system enables reception of any incoming instructions;

code for determining whether a call is established to access a remote device;

code for storing incoming instructions when activity on the communication system enables reception of incoming instructions;

code for transmitting said incoming instructions to said device; and

code for controlling said device based on said instructions.

Claim 92 (New): A programmed computer for controlling a remote device over a communication system using a central computer and a remote instruction input terminal, comprising:

a memory having at least one region for storing computer executable programs codes;

and a processor for executing the programs codes stored in memory, wherein the programs codes includes:

code for monitoring a communication system for activity incoming from a remote instruction input terminal;

code for determining whether activity incoming over the communication system enables reception of any incoming instructions;

code for storing said incoming instructions when activity over the communication system enables reception of incoming instructions; and

code for transmitting said incoming instructions to said remote device.

Claim 93 (New): A programmed computer for controlling at least one remote device over a communication system, comprising:

a memory having at least one region for storing computer executable programs code; and

a processor for executing the program code stored in memory, wherein the program code includes: code for monitoring a communication system for activity;

code for determining whether a processor located at a remote location is able to receive instructions from a central computer over a communication system ;

code for determining whether information transmitted over the communication system enables reception of any incoming instructions;

code for determining whether communication between a central computer and a remote location is to establish access a processor at the remote location that is able to relay instructions to a targeted device;

code for transmitting said instructions from said processor to said targeted device;
and

code for controlling said device based on said instructions.

Claim 94 (New): A method for controlling at least one remote device over a communication system, comprising:

monitoring a communication system for activity; detecting whether an outgoing discount call is being made;

detecting whether activity on the communication system enables reception any incoming instructions;

storing said incoming instructions when activity on the communication system enables reception of incoming instructions; and

transmitting said incoming instructions to said device.

Claim 95 (New): A method for controlling a remote device over a communication

system using a central computer and a plurality of remote instruction input terminals,
comprising:

monitoring a communication system for activity; determining whether the
communication system is able to relay instructions from a remote terminal to a central
computer;

determining whether an incoming call is made from the central computer that is
transmitting instruction to a remote location;

determining whether activity on the communication system contains a valid
password that will enable reception of any incoming instructions;

storing said incoming instructions when valid authorization password enables
reception of incoming instructions;

transmitting said incoming instructions to said device; and

controlling said device based on said instructions.

Claim 96 (New): A system for controlling at least one remote device, comprising:

a means for monitoring a communication system for activity;

a means for detecting whether an outgoing discount call is being made;

a means for detecting whether activity on the communication system enables
reception of any incoming instructions;

a means for storing said incoming instructions when activity on the
communication system enables reception of incoming instructions; and

a means for transmitting said incoming instructions to said device.

Claim 97 (New): A system for controlling at least one remote device, comprising:

a means for a central computer to monitor a communication system for incoming information related to controlling device located at a remote location ;

a means for the central computer to receive instructions from a plurality remote terminal;

a means for a central computer to store and process the information from a remote terminal and determine whether it contains a valid password authorizing the forwarding of instructions to a targeted device at a remote targeted location;

a means for determining whether the remote location is able to accept said instruction from the central computer;

a means for detecting when the remote location is ready to accept instructions from the a central computer;

a means for transmitting said incoming instructions to said remote targeted device; and

a means for controlling said remote targeted device based on said instructions.

Claim 98 (New): A system for controlling a remote device, comprising:

a plurality of remote information input terminals that can establish a temporary connection to a central computer;

a central computer configured to accept, process, and store all information collected from a plurality of remote input terminals;

a central computer configured for determining whether information collected from any given remote input terminal contains a valid authorizing password;

a central computer configured for determining whether information collected from a remote input terminal contains instructions for controlling a device located at a remote location;

a central computer configured for transmitting said instructions to a targeted remote location base on information collected from said remote input terminal;

a remote location able to detect and storing incoming instructions from a central computer;

a remote location able to determine whether the collected instructions are valid for that specific location;

a remote location able to transmit said instructions to a targeted device; and
controlling said device based on said instructions.

Claim 99 (New): A system for controlling a device located at a remote location, comprising:

a central computer configured for monitoring a communication system for activity, for determining whether the communication system at a remote location_ is able to accept incoming instructions from said central computer, for detecting whether activity on the communication system enables reception of any incoming instructions;

a memory configured for storing said incoming instructions when activity on the communication system enables reception of incoming instructions; and a transmitter configured for transmitting said incoming instructions to a targeted device at a remote

location.

Claim 100 (New): The system of claim 82, wherein the transmitter is further configured for converting said tones or pulses into electrical pulses containing said incoming instructions.

Claim 101 (New): Computer executable software code stored on a computer readable medium, the code for controlling one or more remote devices over a communication system, comprising:

- code for monitoring a communication system for activity;
- code for detecting whether activity on the communication system enables reception of any incoming instructions;
- code for storing said incoming instructions when activity on the communication system enables reception of incoming instructions; and
- code for transmitting said incoming instructions to a targeted device at a remote location.

Claim 102 (New): Computer executable software code stored on a computer readable medium, the code for controlling at least one remote device by utilizing a communication system to link both a remote input terminal and a remote location to a central computer, comprising:

- code for monitoring information inputted into a central computer over a communication system from a remote input terminal;

code for determining whether the communication system has established a connection between a central computer and a targeted remote location;

code for determining whether activity on the communication system enables reception of any incoming instructions;

code for determining whether said activity is intended to establish access to a targeted device at a remote location;

code for storing said incoming instructions on a processor at the remote location when activity on the communication system enables reception of incoming instructions;

code for transmitting said incoming instructions to said device; and

code for controlling said device based on said instructions.

Claim 103 (New) A computer readable medium having computer executable software code stored thereon, the code for controlling at least one remote device over a communication system, comprising:

code for monitoring information inputted from a plurality of remote input terminals over a communication system to a central computer;

code for storing and processing said incoming information into instructions when activity on the communication system enables reception of incoming instructions;

code for determining whether activity on the communication system enables reception of any incoming instructions by a processor at a remote location; and

code for transmitting said instructions by processor to a targeted device at the remote location.

Claim 104 (New): A computer readable medium having computer executable software code stored thereon, the code for controlling one or more remote devices, comprising:

code for monitoring a communication system for activity from a plurality of remote data input terminals;

code for detecting when a communication system has established a connection between a remote information input terminal and a central computer;

code for detecting whether activity on the communication system enables reception of any incoming instructions;

code for determining whether communication between the central computer and a remote location is intended to established access a targeted device located at said remote location;

code for determining whether the incoming instructions from the central computer are correctly targeted to a processor at the remote location receiving said instructions;

code for transmitting said incoming instructions to a targeted device at said remote location by a processor; and

code for controlling said device based on said instructions.

Claim 105 (New): A programmed computer for controlling at least one remote device over a communication system, comprising:

a memory having at least one region for storing computer executable program code; and

a processor for executing the program code stored in memory, wherein the program code includes:

code for monitoring a communication system for information coming from a plurality of remote input terminals;

code for detecting whether activity on the communication system enables reception any incoming instructions at a central computer;

code for processing and storing said incoming instructions when central computer enables reception of any incoming instructions at a targeted remote location; and

code for transmitting said incoming instructions to a targeted device located at said remote location.

Claim 106 (Cancel):A programmed computer for controlling one or more remote devices over a communication system, comprising:

a memory having at least one region for storing computer executable program code; and a processor for executing the program code stored in memory, wherein the program code includes: code for monitoring a communication system for activity;

code for determining whether a remote information input terminal has established a connection to a central computer and said central computer is able to receive incoming information;

code for storing and processing incoming information from a plurality of remote information input terminals;

code for determining whether information from a remote input terminal contains instructions;

code for determining whether a central computer has established contact with a remote location;

code for transmitting instructions from a central computer to a processor located at the targeted remote location;

code for transmitting said incoming instructions to a microprocessor located inside of a targeted device; and

code for controlling said device based on said instructions.

Claims 107 (New): The system according to claim 81, wherein the processor is further configured for analyzing position of said tones or pulses; and said processor is further configured for translating said tones or pulses and their relative position into instructions.

Claim 108 (New): The system of claim 87, wherein the electrical pulses containing said incoming instructions are transmitted to a microprocessor located in the remote device.

Claim 109 (New): A mean for controlling any device located at a remote location using a communication network by transmitting electrical impulse to a microprocessor located in said device comprising:

a mean by which instructions can be collected from a plurality of remotely located terminals and conveyed to a centrally located server using a communication network;

a mean for linking a centrally located server to a plurality of remotely located sites using a communication network;

a mean for storing to memory information collected from remotely located terminals at the centrally located server;

a mean for processing the information collected from a terminal by a centrally located server;

a mean for any of said remote sites to recognize and save to memory information from a centrally located server;

a mean for validating the information from the centrally located server for controlling a targeted device at said remote site;

a mean for transmitting said instructions to said targeted device; and

a mean for controlling said targeted device based on said instructions.

Claim 110 (New): code for controlling at least one remote device connected to a communication network comprising:

code for collecting instructions from a plurality of remotely located terminals and conveyed them to a centrally located server using a communication network;

code for storing to memory information collected from remotely located terminals at the centrally located server;

code for processing the information collected from a remotely located terminal by a centrally located server;

code for linking a centrally located server to a plurality of targeted remote located using a communication network;

code for a remote site to recognize and save to memory instructions from a centrally located server;

code for validating the instruction from the centrally located for controlling a targeted device at a remote location;

code for transmitting said instructions to said targeted device; and

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code for controlling said targeted device based on said instructions.